MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

DEPT. CST   **COURSE NUMBER: 2224**

NUMBER OF CREDITS: 4   **Lecture: 3 Lab: 1   OJT: 0**

Course Title:
Windows Client/Server Administration

Catalog Description:
Windows Client/Server Administration will cover the setup and support of the current versions of Windows Server and the desktop client. Students will implement, administer and troubleshoot the Windows network environment. Hands-on, practical experience, and exercises will be incorporated into this course. This course helps students to prepare for Microsoft certification.

Prerequisites or Necessary Entry Skills/Knowledge:
CST 1190

FULFILLS MN TRANSFER CURRICULUM AREA(S) *(Leave blank if not applicable)*

☐Goal 1: Communication: By meeting the following competencies:

☐Goal 2: Critical Thinking: By meeting the following competencies:

☐Goal 3: Natural Sciences: By meeting the following competencies:

☐Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:

☐Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:

☐Goal 6: The Humanities and Fine Arts: By meeting the following competencies:

☐Goal 7: Human Diversity: By meeting the following competencies:

☐Goal 8: Global Perspective: By meeting the following competencies:

☐Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:

☐Goal 10: People and the Environment: By meeting the following competencies:

Topics to be Covered
Windows Client and Server features
Troubleshooting the Windows operating systems
DHCP
DNS
IIS Services and features
Active Directory

Student Learning Outcomes
Plan and demonstrate a Windows Server & Client installation and upgrade.
Explain Windows Server features.
Explain troubleshooting techniques for a Windows installation that has errors.
Describe the Windows NTFS file system.
Demonstrate how to install, administer, and connect a network printer.
Describe Active Directory services and printing.
Describe Windows Security features including PKI and Kerberos.
Perform administrative tasks on a windows Server using Active Directory.
Describe recovery of a Windows Server and client operating systems.

Is this course part of a transfer pathway: Yes ☐   No ☒
*If yes, please list the competencies below

Revised Date: 3/29/2022